

## **QGIS OFFICIAL DOCUMENTATION**

- Gentle GIS Introduction [http://docs.qgis.org/2.14/en/docs/gentle\\_gis\\_introduction/](http://docs.qgis.org/2.14/en/docs/gentle_gis_introduction/)
- QGIS Training manual [http://docs.qgis.org/2.14/en/docs/training\\_manual/](http://docs.qgis.org/2.14/en/docs/training_manual/)
- QGIS User Guide [http://docs.qgis.org/2.14/en/docs/user\\_manual/](http://docs.qgis.org/2.14/en/docs/user_manual/)

## **COORDINATE REFERENCE SYSTEM & MAP PROJECTIONS**

- Notion of map scale ([https://en.wikipedia.org/wiki/Scale\\_\(map\)](https://en.wikipedia.org/wiki/Scale_(map)))
- Map projections explained by Carlos Furuti <http://www.progonos.com/furuti/MapProj/Normal/TOC/cartTOC.html>
- Comparing Map projections distortions <http://bl.ocks.org/syntagmatic/ba569633d51ebec6ec6e>
- Map projection transitions <https://www.jasondavies.com/maps/transition/>
- What your favorite map projection says about you <https://xkcd.com/977/>
- In the style of Buckminster Fuller's Airocean World Map <https://www.jasondavies.com/maps/airocean/>

## **VISUAL ENCODINGS**

- Visual encoding [http://vda.univie.ac.at/Teaching/Vis/13s/LectureNotes/05\\_visual\\_encodings.pdf](http://vda.univie.ac.at/Teaching/Vis/13s/LectureNotes/05_visual_encodings.pdf)
- Pre-attentive processing <https://www.youtube.com/watch?v=UFNzATczkDU>
- Colour brewer <http://colorbrewer2.org/#type=sequential&scheme=BuGn&n=3>
- Issue of overplotting [https://www.perceptualedge.com/articles/visual\\_business\\_intelligence/over-plotting\\_in\\_graphs.pdf](https://www.perceptualedge.com/articles/visual_business_intelligence/over-plotting_in_graphs.pdf)

## **VARIOUS TYPE OF MAPS**

- Maps for different purposes: topographic, choropleth (thematic), thematic-bubble-map, heatmap, ...
- Digital Elevation Model (DEM)

## **GEOGRAPHICAL DATA SOURCES**

- <http://www.naturalearthdata.com/>
- <http://www.gadm.org/>

## **GLOSSARY**

- QGIS User Interface Overview: Top Toolbars, Map Canvas, Layers list, Status Bar and side toolbar
- Shapefile

## **GEODATASCIENCE**

- A course taught by Dr. Dani Arribas-Bel in the Autumn of 2016 at the University of Liverpool. <http://darribas.org/gds16/>